

Half Yearly Examination 2019-20

Sub. : Science

Class : VII

Time : 2.30 Hrs.

M.M. : 80

A. Fill in the blanks :

AP
22

1. During photosynthesis plants produce _____ gas.
2. Salivary gland secretes _____
3. The largest gland in the human body is _____
4. Rearing of silk worm is called _____
5. Silk worms eat _____ leaves.

B. Write True or False :

6. Normal temperature of human body is 37°C .
7. From the sun the heat comes to us by convection.
8. Plastic is a conductor of heat.
9. Turmeric is a natural indicator.
10. Formic acid is found in vinegar.

C. Match the following :

- | | |
|--------------------|-------------------------------|
| 11. Acids are | Chemical change |
| 12. Rusting is a | Physical change |
| 13. Humidity | Sour in taste |
| 14. Melting of wax | Hot and dry climate |
| 15. Rajasthan | Concentration of water in alv |

D. Give one word answer :

16. The moving air _____
17. Warm air _____

18. How do winds generate _____
19. Water vapour condenses to form _____
20. Which winds carry water and rains _____

2×8=16

21. Draw a figure to show photosynthesis.
22. What is insectivorous plant? Give an example.
23. Draw Amoeba and label it.
24. Write two differences between clinical and laboratory thermometer.
25. In hot climate outer walls of houses be painted white. Why?
26. Write two differences between acids and bases.
27. Give two examples of physical change and two of chemical change.
28. When baking soda is mixed with lemon juice bubbles are formed with the evolution of a gas. Write the name of gas and type of change.

3×8=24

29. Draw stomata. Write its function and label it.
30. Draw life history of silk moth. Write the name of all stages.
31. Write the name of animal fibres and write the name of animals that yield wool.
32. How does heat transfer? Write the name of all three processes with example.
33. Write the type of climate of the following areas -
1) Kerala,
2) North east India,
3) Jammu and Kashmir

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34. How soil is formed? Write three types of soil on the basis of size of particles.
 35. Draw soil profile. Label it.
 36. Draw human respiratory system. Label it.

5×4=20

- P
t
37. Write all the 5 steps of nutrition in human and describe it.
 38. Write the name of 5 acids and their sources.
 39. Write any 5 adaptations of polar bears.
 40. Draw an activity to show the hot air rises up.

OR

Write the factors which contribute to the development of cyclones.

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LUCKNOW REGION
Blue print for science class VII cumulative

S.No.	Lesson	1 Marks	2 Mark	3Marks	5 Marks	Total
1	Nutrition in plants	1 ✓	2 ✓	1 ✓		4 (8)
2	Nutrition in animals	2 ✓	1 ✓		1	4 (9)
3	Fiber to fabric	2		2 ✓		4 (8)
4	Heat	3 ✓	2 ✓	1 ✓		6 (10)
5	Acids, bases and salts	3 ✓	1 ✓		1	5 (10)
6	Physical and chemical changes	2 ✓	2 ✓			4 (6)
7	Weather and climate adaptations	2 ✓		1 ✓	1	4 (10)
8	Storms and cyclones	5 ✓			1	6 (10)
9	Soil			2		2(6)
10	Respiration in organisms			3		1(3)
	Totals	20 (20)	8 (16)	8 (24)	4 (20)	40 (80)

Answer Key - VM (Science)

1. Oxygen
2. Salina
3. Uveer
4. Sericulture
5. mulberry.
6. True
7. false
8. false
9. True
10. false
11. Sour in taste
12. chemical change
13. concentration of water in air
14. Physical change
15. hot and dry climate
16. wind
17. Light in weight
18. uneven heating of earth
19. clouds
20. monsoon
21. fig 1.3 Page no. 3
22. Insect eating plants are called insectivorous plants
Ex - pitcher plant.
23. fig 2.10 Page no. 18
24. clinical thermometer Laboratory thermometer
 1. Used to measure body temperature.
 2. Range $35^{\circ}\text{C} - 42^{\circ}\text{C}$
 1. used to measure the temp. of different objects other than body.
 2. Range - $-10^{\circ}\text{C} - 110^{\circ}\text{C}$
25. In places of hot climate it is advised that outer wall of the houses be painted white because white colour reflects

26. Acids (Corrosive) & bases. -2

- 1. Sour in taste
- 2. Acids turn blue litmus paper into red
- 1. Bitter in taste
- 2. Bases turn red litmus paper into blue.

27. Physical change - folding of paper
melting of wax. -2

Chemical change - cooking food
- Photosynthesis. -2

28. Carbon dioxide chemical change. -2

29. fig 1.2 Page no- 3
Stomata are tiny opening that is used for gas exchange. -3

30. fig 3.9 Page no- 28 -3

31. Silk, wool
Sheep, Camel, yak, Goat -3

32 Heat flows from a hotter object to a colder object by the three different processes. -3

Conduction - Heat transfer in solid

Convection - Heat transfer in liquid

Radiation - Heat transfer without any medium

33 hot and wet
wet
cold -3

34 The soil is formed by the breaking down of -3

Sandy soil - Big particles of soil
loamy soil - mixture of big and fine particles
clayey soil - fine particles of soil

35. fig 9.3 Page no. 98. - 3

36. fig 10.4 Page no. 112 - 3

37. Ingestion - The process of taking food into the body. - 5

Digestion - Breakdown of food from complex to simpler substances.

Absorption - Passing of digested food into blood vessels.

Assimilation - Transported of digested food by blood vessels to different organs.

Egestion - Removing the undigested food from the anus.

38. Acids sources - 5

Acetic	vinegar
-formic	Ant's sting
citric	Lemon
Lactic	curd
oxalic	spinach

39. white fur - 5

Very strong sense of smell
two thick layers of fur
Layer of fat under the skin
Long curved and sharp claws

40. fig 8.7 page no: 84

or
Unseen heading, Temperature
formation of a very low pressure
- wind speed, wind direction, humidity